EXHIBIT 1



July 18, 2017

JAMES E, MALACKOWSKI CURRICULUM VITAE

James E. Malackowski is the Chairman and Chief Executive Officer of Ocean Tomo, LLC, the Intellectual Capital Merchant BaneTM firm providing industry leading financial products and services related to intellectual property including financial expert testimony, valuation, strategy consulting, patent analytics, investment management and transaction brokerage. Ocean Tomo assists clients – corporations, law firms, governments and institutional investors – in realizing Intellectual Capital Equity® value broadly defined. Subsidiaries of Ocean Tomo include Ocean Tomo Investments Group, LLC, a registered broker dealer.

Mr. Malackowski is a founding and continuous member of the IP Hall of Fame Academy. He has been recognized annually since 2007 by leading industry publications as one of the 'World's Leading IP Strategists'. Significantly, Mr. Malackowski is listed among "50 Under 45" by IP Law & Business IM; included in the National Law Journal's inaugural list of 50 Intellectual Property Trailblazers & Pioneers; and, named as one of "The Most Influential People in IP" by Managing Intellectual Property Mr. Mr. Malackowski was named as I of 50 individuals, companies and institutions that framed the first 50 issues of IAM Magazine as well as I of 60 leading global Economics Expert Witnesses by the same publication in 2014. In 2011 Mr. Malackowski was selected by the World Economic Forum as one of less than twenty members of the Network of Global Agenda Councils to focus on questions of IP policy. In 2013 he was inducted into the Chicago Area Entrepreneurship Hall of Fame by the Institute for Entrepreneurial Studies at the University of Illinois at Chicago College of Business Administration.

Mr. Malackowski has advised clients and counsel on business valuation issues as well as all phases of the technology transfer process. He has substantial experience as a Board Director for leading technology corporations and research organizations as well as companies with critical brand management issues. He is Past President of The Licensing Executives Society International, Inc. as well as its largest chapter, LES USA & Canada, Inc. Today, Mr. Malackowski focuses his non-for-profit efforts with organizations leveraging science and innovation for the benefit of children, including those located in lesser developed countries. He is a Director of the Stanley Manne Children's Research Institute and has served since 2002 as a Trustee or Director of the National Inventors Hall of Fame, Inc., an organization providing summer enrichment programs for more than 100,000 students annually. He is the Founder of the Chicago based Center for Applied Innovation (CAI), an Illinois non-for-profit corporation created to manage education, public policy outreach and related economic activity around applied technology and intellectual property rights.

Mr. Malackowski is a frequent speaker on emerging technology markets and related financial measures. He has addressed mass media audiences including Bloomberg Morning Call, Bloomberg Evening Market Pulse, Bloomberg Final Word, CNBC Closing Bell, CNBC On the Money, CNBC Street Signs, CBS News Radio and Fox Business National Television as well as other recognized news-based internet video channels. Mr. Malackowski is a judge on behalf of the Illinois Technology Association's CityLIGHTSTM Innovation Awards program and has also appeared as a judge on PBS's Everyday Edisons.

On more than fifty occasions, Mr. Malackowski has served as an expert in U.S. Federal Court, U.S. Bankruptcy Court. State Court, the Ontario Superior Court of Justice or the International Trade Commission on questions relating to intellectual property economics including the subject of business



valuation, reasonable royalty, lost profits, price erosion, commercial success, corrective advertising, creditor allocations, Hatch Waxman Act market exclusivity, business significance of licensing terms including RAND obligations, and equities of a potential injunction. As an inventor, Mr. Malackowski has more than twenty issued U.S. patents. He is a frequent instructor for graduate studies on IP management and markets and a Summa Cum Laude graduate of the University of Notre Dame majoring in accountancy and philosophy. Mr. Malackowski is Certified in Financial Forensics, a Certified Licensing Professional and a Registered Certified Public Accountant in the State of Illinois.

EMPLOYMENT HISTORY

Co-Founder, Chairman and Chief Executive Officer, *Ocean Tomo, LLC*, July 1, 2003 to present. Mr. Malackowski is responsible for all aspects of the firm's merchant banking practice.

President and Chief Executive Officer, *IP Equity Management, LLC*, doing business as Duff & Phelps Capital Partners, March 1, 2002 to June 30, 2003, The firm's intellectual property structured finance efforts were consolidated with Ocean Tomo on July 1, 2003.

Principal and Founder, VIGIC Services, LLC, July 1, 2000 to February 28, 2002. Mr., Malackowski identified and evaluated intellectual capital based private equity investment opportunities and served as an advisor to four completed transactions.

Principal and co-Founder, *IPC Group LLC*, August 1, 1988 – June 30, 2000. Mr. Malackowski also held the offices of President and CEO and was a Board member / chairman of the firm. Along with four co-founders, Mr. Malackowski grew IPC Group to become the largest professional services firm specializing in intellectual property valuation and strategy consulting. IPC Group was sold in 1999 later changing its name to InteCap.

Executive Consultant, *Peterson & Co. Consulting*, Chicago, June 3, 1985 – July 30, 1988. Mr. Malackowski began with Peterson as a Staff Consultant and was the firm's quickest promotion to both Senior Consultant and Executive Consultant. Mr. Malackowski helped to establish the firm's intellectual property litigation and valuation practice. Peterson & Co. was sold to Saatchi & Saatchi PLC in 1988.

NON-PROFIT AND ASSOCIATION EXPERIENCE

Mr. Malackowski has been active in The Licensing Executives Society (LES) locally, nationally and internationally. LES is the premiere global professional association of technology transfer and intellectual asset management professionals with more than 10,000 members in more than 32 countries.

Mr. Malackowski is Past President of the Licensing Executives Society International, LLC, where his experience included the following positions:

- Chair, Past President's Council (2012 2013)
- President and Member of the Board (2011 2012)
- President Elect and Member of the Board (2010 2011)



- Secretary and Member of the Board (2007 2010)
- Member and Permanent Alternate, Board of Delegates (1992 2005)
- Past Chair, Membership, Investment, Education, Long-range Planning and Global Technology Impact Forum Committees.

Mr. Malackowski's term as President of LESI has been recognized for creation of the LESI Global Technology Impact Forum and concurrent Invent For HumanityTM Technology Transfer Exchange Fair; formalizing the National Presidents' Council; establishing the position of a permanent Executive Director; and, restructuring the leadership of LESI committees utilizing a Chair, Past Chair, Chair Elect ladder combined with functional responsibilities for committee Vice Chairs. This later organizational stamp is based largely on Mr. Malackowski's experience as President of LES USA & Canada described below where he led a restructuring of the Board from a regional to a functional focus for each officer and Trustee. As with his tenure at his national Society discussed below, Mr. Malackowski led a financial turn-around returning LESI to positive eash flow following its' only two years of loss.

Mr. Malackowski is also Past President of The Licensing Executives Society (USA and Canada), Inc. where he held numerous offices in the organization including:

- ▶ President and Member of the Board (2001 2002)
- International Vice President and Member of the Board (2000)
- Treasurer and Member of the Board (1996 -- 1999)
- Trustee and Member of the Board (1992 1996)
- Chair, Annual Meeting in Miami Beach (1998) and the Summer Meeting in Chicago (1997)

Mr. Malackowski presided over a restructuring of the LES USA & Canada Board and a financial turn-around returning the organization to positive cash flow following its only two years of loss to date. Mr. Malackowski is the youngest President to hold office at LES USA & Canada as well as at LES International.

In 2007, Mr. Malackowski was the Founding Chair of the Board of Governors for what is now Certified Licensing Professionals, Inc., administrator of the Certified Licensing Professional (CLP) program for professionals in the fields of licensing, business development and commercialization of intellectual property. More than 1,000 individuals involved in patenting, marketing, valuation, IP law, negotiation, and intellectual asset management have earned the CLP certification. CLP, Inc. is a 501(c)(6) organization whose mission is to elevate the licensing profession through knowledge and standards.

Mr. Malackowski extends significant time to non-profit activities directed towards a further understanding of the economic importance of innovation and intellectual property, in both the United States and developing economies. These efforts include:

 Judge, Illinois Technology Association, CityLIGHTSTM Innovation Awards (2013 -)



- Member, World Economic Forum Network of Global Agenda Councils (2011 - 2012)
- Director, International Intellectual Property Institute, Washington D.C., (2002 - 2007)
- Resident Advisor, U.S. Information Agency, (1999)
- Resident Advisor, U.S. Department of Commerce Commercial Law and Development Program (1997)
- Founder and Chairman, The Center for Applied Innovation, Inc. (2004)

In addition to his University instruction described herein, Mr. Malackowski focuses his non-for-profit efforts with those organizations leveraging science and innovation for the benefit of children.

- Director, Children's Research Fund (2013); Co-Chair Annual Fund Campaign (2013)
- Director, National Inventors Hall of Fame, Inc. (NIHF) including service as a Member, Trustee or Director of related subsidiaries and Board Committees (2001 2019). The NIHF provides summer enrichment programs for more than 100,000 students annually including <u>Camp InventionTM</u> for kids in grades 1-6 (and their parents and teachers); <u>Collegiate Inventors CompetitionTM</u> for college students (and their mentors); and, <u>Club InventionTM</u> for kids in grades 1-6 (and their parents and teachers).
- President's Council, Chicago Museum of Science and Industry (2005 -2011) including participation on the Education Advisory Committee (2007 -2009) and the Alternative Revenue Committee (2008 - 2011)
- Director, Stanley Manne Children's Research Institute (2009 2018) including Chair of the Board's Technology Transfer Committee (2014 -) and the Strategic Planning Resources Committee (2011 - 2012)

Mr. Malackowski is the Founder of the Center for Applied Innovation, a Chicago based non-for-profit with both local and international programs. CAI was created to manage education, public policy outreach and related economic activity around applied technology and intellectual property (IP) rights in the State of Illinois and around the world.

- CAI created and patented the first commoditized contract for technology licensing, the Unit License RightTM. This innovation has been licensed to the Chicago-based Intellectual Property Exchange International.
- Under Mr. Malackowski's continued leadership as Chairman, CAI organizes the Invent for Humanity™ Technology Transfer Exchange Fair (InventforHumanity.org) launched in January, 2012, in Geneva, Switzerland. Invent for Humanity showcases field-ready, sustainable innovations, known as "appropriate technologies", leveraging the experience of licensing professionals to match and structure the actual transfer of such technology to meet recognized needs of emerging market economies.

Mr. Malackowski's association and non-profit activities are informed in part by his participation in the Harvard Business School Executive Education Program on Governing for Nonprofit Excellence, November 2000, Mr. Malackowski's



Board service is informed by his participation at the Rock Center Corporate Governance Directors College for Venture-Backed Company Directors, Stanford University, March 2016.

RELATED OFFICES

Berg, LLC, Member, Council of Advisors, Senior Advisor, Intellectual Property Licensing & Innovation (2012 - 2015)

The Copyright Hub, LLC d/b/a 3Discovered, Founder. The company was formed as a collaborative venture between Ocean Tomo, LLC and Liberty Advisor Group in 2013. 3Discovered is a current portfolio company of US-based venture capital firm AITV. Mr. Malackowski served as Chairman of the company through September 2016. (2103 – 2106)

Curious Networks, Inc., Director, (1999 - 2000), Co-Chair of the Board's Strategic Partnership Committee. Mr. Malackowski led the company's first and second round of venture funding.

ewireless, Inc. (f/k/a JEMAN Holdings, Inc. d/b/a Cellular Linking), Director, (1995-1999, 2000-2002)

Ford Global Technologies, Inc., Ford Motor Company, Director (1997 - 2001). Mr. Malackowski advised Ford Motor Company on the original business strategy which led to the formation of FGTI. FGTI was the largest known technology management company in the United States during Mr. Malackowski's term.

Infocast, Corporation (OTC BB: IFCC.OB), Director (2001-2002). Member of the Audit and Compensation Committees. Mr. Malackowski led the transition of the company's senior management team and continued U.S. based funding efforts.

Insignis, Inc., Director (2000 - 2002) Mr. Malackowski led the company's first round of venture funding. Insignis is a Chicago based provider of institutional financial data services.

The Intellectual Property Exchange International, Inc. Mr. Malackowski was the founder of the company guiding initial product development of IPXI and recruitment of executive management. In 2011, IPXI was funded by an industry consortium including the Chicago Board Options Exchange. Mr. Malackowski was the Chair or Co-Chair of the Exchange from inception to February 26, 2015.

JEMAN Technologies. Inc., Founder. (1995 – 1999). Mr. Malackowski led the company's efforts to develop new technologies related to wireless direct response services. JEMAN was sold to ewireless, Inc. in 1999 as part of a venture transaction funded by Bedrock Capital Partners and Tredegar Investments.

Solutionary, Inc., Director (2000 - 2013). Arranged and advised on Solutionary's asset acquisition of S3Networks effective August 31, 2001 and



sale to strategic buyer in 2013. Member of the Board's Compensation Committee.

Sendle, Pty, Advisor (2012 -)

422, Inc., Director (2002 - 2003)

EDUCATION AND CERTIFICATION

University of Notre Dame, B.B.A., Bachelor of Business Administration with majors in Accountancy and Philosophy. Graduated Summa Cum Laude, 1985.

Registered Certified Public Accountant, State of Illinois Certificate Number 41,187 issued January 16, 1986; License No. 239.007831; Expires September 30, 2018.

Certified Licensing Professional, Certificate Number 1606 issued July 1, 2008; Expires June 30, 2020.

Certified in Financial Forensics, CFF™, American Institute of Certified Public Accountants, Certificate Number 391 issued July 31, 2008; Expires July 31, 2017.

Accredited in Business Valuation, ABV™, American Institute of Certified Public Accountants, Certificate Number 4278 issued May 31, 2014; Expires July 31, 2017.

UNIVERSITY INSTRUCTION

John Marshall Law School, Intellectual Property Damages (1992 - 1994)

DePaul University, Intellectual Property Entrepreneurial Finance (2003)

The George Washington University Law School, Intellectual Property Management (2004)

The University of Chicago Graduate School of Business:

- Intellectual Property Investment (2004 2006)
- Entrepreneurial Discovery, MBA Course 34705, Adjunct Professors Mark Tebbe and Brian Coe (Fall 2014 - 2015)

Indiana University Kelly School of Business, Intellectual Property Finance (2005)

University of Notre Dame, Mendoza College of Business, Adjunct Instructor:

- MBA Interterm Intensives, Intellectual Property Based Market Transactions, Valuation and Trading (Fall 2006, Fall 2008)
- MBA Executive Program, Course MBAE 70639, Intellectual Property, (Spring Semester 2008)



- MBA Program, Litigation Support and Valuation (Spring 2009)
- Notre Dame Law School, Advanced Trial Advocacy, LAW 75713-10 (Spring 2017)

University of California at Berkeley Haas School of Business, Innovation Markets (2008)

Chicago-Kent College of Law, Adjunct Professor of Law, 1P Financial Markets and Legal Principles (Fall 2008)

Rutgers Professional Science Master's Program, Fundamentals of Intellectual Property (Summer 2011)

Northwestern University Kellogg School of Management, Adjunct Instructor:

- MGMT 441, Intellectual Property Management, Clinical Professor James G. Conley (Fall 2012, Spring 2013 - 2017)
- DSGN 460, Innovation in Context, McCormick Engineering School (Spring 2017)

University of Texas McCombs School of Business, MBA Course: Open Innovation, Professor Sirkka Jarvenpaa (Spring 2013)

University of Arizona, James E. Rogers College of Law, Advisor, Intellectual Property & Entrepreneurship Clinic (2017)

ACTIVE MEMBERSHIPS

American Institute of Certified Public Accountants, Member 01182237 (1985 -)
The Economic Club of Chicago (1990 -)
The Licensing Executives Society (1988 -)
Young Presidents' Organization ("YPO" / "YPO Gold") (2006 - 2017)

RECOGNITION AND AWARDS

Individually, Mr. Malackowski has been recognized for his expertise as well as his work in developing markets for intellectual property transfer including:

- Named to the National Law Journal's inaugural list of 50 Intellectual Property Trailblazers & Pioneers. (August 2014)
- Named as 1 of 60 leading global Economics Expert Witnesses in the *IAM Patent 1000, IAM Magazine*. Selection based on interviews by IAM researchers with more than 100 patent litigators. (May 2014)
- Inductee, Chicago Area Entrepreneurship Hall of Fame as selected by the Institute for Entrepreneurial Studies at the University of Illinois at Chicago College of Business Administration, (2013; 28th Year of Program)
- Named as 1 of 50 Individuals, Companies and Institutions that Framed the First 50 Issues of *IAM Magazine*, November / December 2011.
- "IP Personalities of 2008", LAM blog by Joff Wild, Editor
- "IAM Strategy 300: The World's Leading IP Strategists", IAM Magazine (2012-2017)



- "TAM Patent 1000: The World's Leading Patent Professionals", IAM Magazine (2015-2017)
- "World's 250 Leading IP Strategists", IAM Magazine (2009-2011)
- "50 Under 45". IP Law & Business *** (2008)
- "The Most Influential People in IP", Managing Intellectual PropertyTM (2007)
- Member, IP Hall of Fame Academy (2007-)

Ocean Tomo as a firm has been likewise recognized for its accomplishments including:

- Ocean Tomo was chosen as the exclusive U.S. representative for the 2016
 Healthcare & Pharma Leading Expert Awards by Global Health & Pharma
 Magazine.
- Ocean Tomo was recognized as a member of the 2015 Inc.5000® list of fastest-growing private companies in America.
- Ocean Tomo was honored in 2011 with the "Best of Chicago Award in Investment Advisory Services" by the U.S. Commerce Association (USCA).
- In addition to Mr. Malackowski, Ocean Tomo as a firm was named as 1 of 50 Individuals, Companies and Institutions that Framed the First 50 Issues of IAM Magazine, November / December 2011 and the only firm other than Microsoft (2 of 50 mentions) to be recognized multiple times (5 of 50 mentions).
- The firm's Chicago office was presented the 2011 Alfred P. Sloan Awards for Business Excellence in Workplace Flexibility after having been finalist for scoring in the top 20% of all firm's measured nationally.
- Ocean Tomo was recognized in 2010 by Corporate Voices for Working Families for its work-life balance as part of the National Workplace Flexibility Campaign published by USA Today.
- Ocean Tomo was recognized as a juried Finalist for the Illinois Technology Association 2010 CityLIGHTS Award for raising the stature of the Illinois technology industry.
- Selected as case study organization for Haas School of Business, University of California, Berkeley (2009)
- Selected as case study organization for Harvard Business School MBA Program (2008)
- Ocean Tomo was named one of 20 small and mid-sized firms recognized as the "Best Places to Work in Illinois" by Best Companies Group in a competition sponsored by the Illinois Chamber of Commerce and the Illinois State Council Society for Human Resource (2007)
- Ocean Tomo Auctions received the 2006 Chicago Innovation Award for
 most innovative new product or service introduced between January I,
 2005, and July 31, 2006, that uniquely satisfied unmet needs in the
 marketplace. The award was presented by Kuczmarski & Associates and the
 Chicago Sun-Times.
- Ocean Tomo Auctions was awarded the Department of Commerce Technology Administration & National Knowledge & Intellectual Property Management 2006 Innovator of the Year Award.
- Ocean Tomo was recognized as a "Top Ten IP Newsmakers of 2006" by IP Law & Business, Almanae 2006.



Numerous authors and graduate business programs have written case studies about Ocean Tomo and its affiliates including:

- Piscione, Debornh Perry, The Risk Factor, Copyright 2014.
- · Houle, David, Entering the Shift Age, Copyright 2013.
- Kuczmarski, Thomas D., Dan Miller and Luke Tanen, <u>Innovating Chicago-Style: How Local Innovators Are Building The National Economy</u>, Copyright 2012.
- Houle, David, The Shift Age, Copyright 2007.
- Chesbrough, Henry, Open Business Models: How to Thrive in the New Innovation Landscape, Copyright 2006.
- · Harvard Business School Case Study
- University of California Business School Case Study

RELATED U.S. SPEECHES AND PUBLICATIONS

"The Determination of a Reasonable Royalty: Hypothetical Negotiation v. A General License Agreement", The Licensing Executives Society, Chicago Chapter, December 8, 1987.

"The Business Economies of Technology Development", The Licensing Executives Society, New England Chapter, February 9, 1988.

"The Importance of Protecting Intellectual Property Through Corporate Transition", Licensing Executives Society, National Meeting, October 18, 1989, Moderator.

"Valuation of Intellectual Property Rights", The Chicago Bar Association, March 6, 1990.

"Dispute Resolution -- There Are Alternatives!", Licensing Executives Society, National Meeting, October 22, 1990.

"How to Value a License", Adding to the Bottomline Through Licensing, LES / John Marshall Law School, November 1, 1990.

"An Advanced Discussion on Licensing and Patent Damages", Licensing Executives Society, National Meeting, October 28, 1992.

"An Advanced Discussion on Patent Damages", Licensing Executives Society, National Meeting, October 18, 1993.

Royalty Provisions in Technology License Agreements, Technology Transfers, American Conference Institute, November 15 & 16, 1993.

"Commercializing Technology and the Intellectual Property Quality Management Imperative", Technology Transfer, American Conference Institute, June 20 & 21, 1994.



"How to Accurately Value Software", The Software Protection and Litigation Institute, July 28 & 29, 1994.

"IP Damages Advanced Case Studies", Licensing Executives Society, National Meeting, October 19, 1994.

"Preparation and Presentation of Damages by Outside Consultants", AIPLA Mid-Winter Meeting, February 1, 1995

"Damages Discovery - An Expert's Perspective", Intellectual Property Law Association, New York, December 15, 1995.

"Pre-Litigation Damages Techniques: Patents and More", <u>The Intellectual</u> Property Strategist, March, 1996.

"Corporate Exposures to Copyright, Patent, Trademark, and Trade Secret Claims", Digital Bullets - Digital Shields: A Financial Perspective, American Conference Institute, New York, March 5, 1996.

"IP Management and Taxation - How companies are proactively managing IP assets to maximize shareholder value, including measuring contribution of IP protection to corporate value", American Bar Association, Virginia, April 11, 1996

"Effectively Select & Use Experts in Trademark & Copyright Cases", AIPLA Spring Meeting, Boston, May 1, 1996.

"The Industry-University Interface: Mechanisms For Technology Transfer", 1996 AUTM Central Region / Licensing Executives Society Chicago Chapter, Chicago, July 21, 1996.

"Valuing Health Care Technologies", Licensing Executives Society Winter Meeting, South Carolina, March 13, 1997.

"Creative Marketing & Packaging - How to Differentiate Yourself in a Competitive Market", CTIA Annual Meeting, Atlanta, February 23, 1998.

"Intellectual Property Valuation: The Latest Techniques from Boardroom and Courtroom", Patent Law Association of South Florida Annual Meeting, Fort Lauderdale, October 22, 1998.

"The Aftermath of *Rite-Hite v. Kelly*", 16th Judicial Conference of the U.S. Court of Appeals for the Federal Circuit, Washington D.C., April 6, 1999.

"Expert Admissibility After Daubert", Wisconsin Academy of Trial Lawyers, Milwaukee, December 3, 1999.

"Intellectual Property Strategic Planning: a Corporate Perspective", Research Directors Association of Chicago, Winter Meeting, January 10, 2000.



"Intellectual Property Asset Management: Linking IP and Corporate Strategy", 44th Annual Conference on Developments in Intellectual Property Law, John Marshall Law School, Chicago, February 25, 2000.

"Boost Your Client's Intellectual Capital IQ: Get Top Management Involved", Corporate Legal Times, October 2000, p. 104.

"Strategic and Financial Opportunities for Privately Held and Public Middle Market Companies: Building Shareholder Value", The Standard Club, Chicago, October 5, 2000.

"Commercializing Intellectual Capital Through Venture Funding", LESI Expanded Board of Directors Meeting and Seminar, Delray Beach, Florida, January 26, 2001; LES Chicago Meeting, May 10, 2001.

"New Paths to Growth: Joint Ventures and Accessing Equity Capital", Panel Presentation and Discussion, LaSalle Street Project Economic Summit, Chicago, May 10, 2001.

ViewPoints, The Newsletter of the Licensing Executives Society (U.S.A. and Canada), Inc., President's Column: Vol. VIII No. 5, Nov. / Dec. 2001, "President Changes the Way LES Does Business"; Vol. VIV No. 1, Jan. / Feb. 2002, "It's Time To Count Our Intellectual Assets"; Vol. VIV No. 2; Vol. VIV No. 3, May / June 2002, "Mid-Year Review"; Vol. VIV No. 4, July / August 2002, "Ethical Issues Related To Intellectual Property".

"Venture Investment Grounded In Intellectual Capital", <u>From Ideas To Assets:</u>
<u>Investing Wisely in Intellectual Property</u>, Edited by Bruce Berman, John Wiley & Sons, Inc., 2002.

"Current Issues in Accounting for Intangibles", Congressional Economic Leadership Institute, Panel Presentation and Discussion with Steven H. Wallman, Former Commissioner, United States Securities and Exchange Commission, Washington, DC, May 1, 2002.

"Intellectual Capital Based Corporate Carve-outs: Strategy, Structure and Funding", James E. Malackowski and Suzanne Harrison, <u>The LESI Guide to Licensing Best Practices</u>, Edited by Robert Goldscheider, John Wiley & Sons, Inc., 2002.

"Intellectual Property Finance: Securitization to Venture Capital", American Bar Association Intellectual Property Law Conference, Philadelphia, June 28, 2002.

"The IIPI Roundtable: The New Emphasis on Patent Value – Opportunities and Challenges", Washington DC, July 22, 2002.

"Moving Technology from University to Marketplace: Business Creation and the Venture Capital Community, Licensing Executives Society Annual Conference, Chicago, September 24, 2002.

"Presidents' Forum on Intellectual Property: A Leadership Discussion with The Licensing Executives Society, the American Intellectual Property Law



Association, the Association of University Technology Managers, the Intellectual Property Owners Association, The National Inventors Hall of Fame, and BIO", Licensing Executives Society Annual Conference, Chicago, September 24, 2002.

"Extracting Value From Your Intellectual Asset Portfolio: Ensuring ROI from IP and Technology Assets", World Research Group, November 22, 2002, Chicago, Illinois.

"Licensing", American Intellectual Property Law Association 2003 Mid-Winter Institute, Marco Island, Florida, January 22 – 25, 2003.

"Cashing in on Chicago: A Closer Look at Liquidity in the Heartland", The Executives' Club of Chicago, Panel Discussion, February 11, 2003.

Conference Chair and Speaker, "Optimizing Valuation & Value Realization of your IP/Intellectual Assets", World Research Group, Las Vegas, February 27-28, 2003.

Live Webcast, "Turning Your Intellectual Property into Cash", Ernst & Young Business Insights, April 28, 2003.

Intermediate PDS Workshop: Application of Private Equity and Leveraged Finance Investing to Intellectual Property, LES / AUTM Summer Meeting, Philadelphia, May 8, 2003.

World Research Group, Advanced Intellectual Property Structured Finance, Conference Co-Chair Person, New York City, June 29-30, 2003.

The Conference Board, The 2003 Conference on Intellectual Asset Management & Value Reporting, "Application of Private Equity and Leveraged Finance Investing to Intellectual Property", Chicago, June 4, 2003.

Intellectual Property and Information Technology for Investment Funds, "Intellectual Capital Equity Management", Panel Discussion Sponsored by Schulte Roth & Zabel, New York City, June 18, 2003.

Chicago Capital Access Forum III, "Private Investors: The Case for Domestic Emerging Market Investments", Panel Discussion, Chicago, June 26, 2003.

Pension Consultants' Forum, "Extracting Value from Private Equity Investing", World Research Group, Chicago, July 22, 2003.

Midwest Intellectual Property Institute, "Intellectual Capital Equity Management", Minneapolis, September 19, 2003.

"Intellectual Asset Strategies", Add-On Seminar at the 2003 Licensing Executives Society Annual Meeting, San Diego, September 25, 2003.

"Leveraging Intellectual Property", Keynote Speaker, Thomson Financial Thought Leadership Forum, New York, October 8, 2003.



"Beyond Licensing: Innovative Techniques for Extracting Value", Advanced Forum on Licensing Intellectual Property, San Francisco, December 9, 2003.

Intellectual Asset Management, Column: IP Merchant Banker, Douglas R. Elliott & James E. Malackowski, Issue 01, "Challenges of the Fifth Epoch", July / August 2003; Issue 02, "What the Market Fortells", September / October 2003; Issue 03, "Economics, Ethos and Intellectual Ethics", December / January 2004; Issue 04, "Patent Predictions – facts or fictions?", February / March 2004; "Wealth management in the age of patents", June / July 2004; "Patent pools – the 80% solution", August / September 2004.

"Intellectual Capital Equity Management: 1P as an Asset Class", Minnesota State Bar Association Continuing Legal Education, Minneapolis, January 15-16, 2004.

"Understanding the Motivations Behind an IP Structured Finance Transaction", "Analyzing the Anatomy of A Patent-Based Structured Finance Transaction", World Research Group, New York, January 21-22, 2004.

"Managing Your Intellectual Property", Investment Banking for Women / Minority Owned Business Enterprises, Annual Forum, Conference Co-Chairperson, Chicago, March 3-5, 2004.

"Private Equity: Investor Capital for Mature Businesses", Dream Makers Forum 2004, Santa Barbara, California, March 7 – 10, 2004.

"IP Finance: Convergence of IP Valuation and Value Creation", World Research Group 2nd Annual Strategies and Solutions for Optimizing IP Valuation & Value Creation, Chicago, March 23 – 24, 2004.

"Leveraging the Value of Intellectual Property", Creating, Managing & Valuing an Intellectual Property Portfolio, Vedder Price Conference Series, Chicago, April 28, 2004.

"Federal Circuit Damages Decision Emphasizes the Importance of Sound Economic Models", IP Review, McDermott Will & Emery, with Robert M. Hess, Spring 2004.

"Intellectual Property Merchant Banking: Leveraging Corporate Intangible Assets", The Licensing Executives Society (U.S.A. & Canada), Inc., Fairfield-Westchester Counties Chapter, June 23, 2004.

"Intellectual Property Financing and Securitization: Conclusions and Future Implications for Financing the IP Market", New York, New York, July 21, 2004.

"Emerging Financial Concepts in IP Asset Management", Mining Patent Portfolios, Seattle, Washington, September 13, 2004.

"Intellectual Property Investment", National Institutes of Health, Commercialization Assistance Program, Larta Institute, Chicago, November 12, 2004.



"Using Intellectual Property to Grow", The Beacon, Chicagoland Entrepreneurial Center, Volume 3, Issue 4, December 10, 2004.

"Techniques for Assessing the Value of Your IP Portfolio", The Wall Street Transcript Intellectual Property Conference, New York, January 27, 2005.

"The Tipping Point: Assessing Major Challenges and Growth Opportunities in IP Finance", Moderator, The 3rd Annual Advancing IP Structured Finance World Research Group Conference", New York, February 3, 2005.

"Commerce One IP Auction", Optimizing IP Valuation and Value Creation, World Research Group Conference, Miami, March 30-31, 2005.

"Intellectual Capital Equity Management: IP As An Asset Class", Minnesota Continuing Legal Education Conference, Minneapolis, May 12, 2005.

"Techniques for Evaluating IP Potential", Life for After Rembrandts, Law Seminars International, Chicago, Illinois, August 4, 2005.

Keynote Address, 2nd Annual Intellectual Property Financing and Securitization Summit, New York, September 26, 2005.

"The Power of Intellectual Property in Private Equity Deals", Association for Corporate Growth and The Licensing Executives Society Connecticut Chapters, Greenwich, Connecticut, October 6, 2005.

"Maximizing the Value of Distressed Debt Backed by Intellectual Property", Financial Research Associates Distressed Debt Summit 2005, New York, October 7, 2005.

"To Sell or Not to Sell", <u>Licensing in the Boardroom 2005</u>, a supplement to *Intellectual Asset Management* magazine, 2005.

Patent Auctions & Marketplaces: Leveraging Value from Under-employed Technologies, IP Master Class Presentation, Washington DC, January 10, 2006.

"Risky Business: Overlooking Patents as Financial Assets", <u>Making Innovation Pay</u>, Edited by Bruce Berman, Published by John Wiley & Sons, Inc., 2006.

"The State of Development & Current Trends in IP Structured Finance" and "The Tipping Point: Assessing Major Challenges, Growth Opportunities and Future Trends in IP Finance", Moderator, The 4th Annual Summit on IP Structured Finance, New York, March 22-23, 2006.

"Generating Revenue From Your Inventions", IIR 2nd Annual Summit on IP Rights for Financial Services, New York, April 25-26, 2006.

"A Behind the Scenes Look at the Patent Bazaar: How Companies and Industry Are Buying and Selling Patents", Innovators in IP Litigation, IP Law & Business, San Jose, California, May 17, 2006.



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Inventor, United States Patent No. 6,839,556, System and Method of Providing Information to a Subscriber through a Wireless Device, January 4, 2005.

Inventor, United States Patent No. 6,911,172, Method of Manufacturing Eyewear. June 28, 2005.

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Inventor, United States Patent No. 7,181,200, Method of Providing Information to a Telephony Subscriber, February 20, 2007.

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Inventor, United States Patent No. 7,813,716, Method of Providing Information to a Telephony Subscriber, October 12, 2010.

Inventor, United States Patent No. 7,885,897, Intellectual Property Trading Exchange and a Method for Trading Intellectual Property Rights, February 8, 2011.

Inventor, United States Patent No. 7,930,231, System and Method of Risk Minimization and Enhanced Returns In An Intellectual Capital Based Venture Investment, April 19, 2011.

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Inventor, United States Patent No. 8,515,851, Method and System for Generating an Index of Securities, August 20, 2013.



Inventor, United States Patent No. 8,554,687, Intellectual Property Trading Exchange and a Method for Trading Intellectual Property Rights, October 8, 2013.

Inventor, United States Patent No. 8,694,419, Methods and Systems for Utilizing Intellectual Property Assets and Rights, April 8, 2014.

Inventor, United States Patent No. 8,787,878, System of Providing Information to a Telephony Subscriber, July 22, 2014.

Inventor, United States Patent No. 8,831,985, Financial Instrument Based on Content and Methods for Valuation, September 9, 2014.

Inventor, United States Patent No. 8,880,031, System of Providing Information to a Telephony Subscriber, November 4, 2014.

Inventor, United States Patent No. 9,058,628, Marketplace for Trading Intangible Asset Derivatives and a Method for Trading Intangible Asset Derivatives, June 16, 2015.

Inventor, United States Patent No. 9,244,292, Eyewear with Exchangeable Temples Housing A Radio Frequency, January 26, 2016.

CONTACT

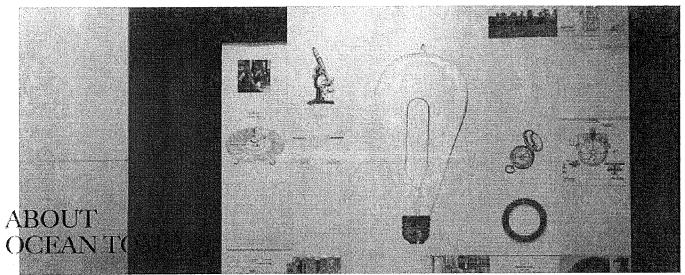
James E. Malackowski Chairman and Chief Executive Officer Ocean Tomo, LLC 200 West Madison 37th Floor Chicago, Illinois 60606

312-327-4410 Direct imalackowski@oceantomo.com

EXHIBIT 2

9/3/2017

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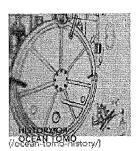




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INTELLECTUAL CAPITAL EQUITY (/intengible-asset-market-value-study/)





Established in 2003, Ocean Tomo, LLC, is the Intellectual Capital Merchant Banc in firm providing Opinion, Management and Advisory services centered on intellectual property assets. Practice offerings address financial expert testimony, valuation, strategy, risk management, venture development, investments and transaction brokerage. Ocean Tomo assists clients - corporations, law firms, governments and institutional investors - in realizing Intellectual Capital Equity® value broadly defined.

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As a team, we are:

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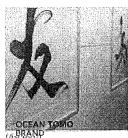
Client Focused - responding and providing a level of service exceeding expectations.

Quality Obsessed - managing all work products to a zero error tolerance.

Profit Centric - seeking to maximize profits to our employees and investors over strategies focused on growth.

Team Oriented - working together to serve clients and build a unified firm regardless of office locale or primary practice responsibility.

9/3/2017



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EXHIBIT 3

Laurie Stempler

From:

Adam Lewin <alewin@fenwick.com>

Sent: To: Thursday, August 3, 2017 9:42 PM Robert Harrits; Karim Oussayef; Moore, David E. (dmoore@potteranderson.com);

Palapura, Bindu A. (bpalapura@potteranderson.com)

Cc:

Groupon_IBM_Service@Fenwick.com; IBM Groupon Service; 'Day, John G.'; Mayo,

Andrew C.; Phillip Haack; Saina Shamilov; David Hadden

Subject:

RE: IBM v. Groupon (Del.) - disclosure of Jim Malackowski

Attachments:

Mimecast Attachment Protection Instructions; Lettiere Engagements as of July 31

2017.pdf; Malackowski Engagements as of July 31, 2017.pdf

Mimecast Attachment Protection has created safe copies of your attachments.

Robert,

In reference to your email below, please see the attached listings of cases and consulting work by Mr. Malackowski and Mr. Lettiere for the previous four years, which have corresponding descriptions. We can also confirm that Mr. Lettiere's CV contains the complete list of his publications from the past ten years.

Please consider this to complete the disclosure under paragraph 13(b) of the protective order.

Best, Adam

From: Robert Harrits [mailto:RHarrits@desmaraisllp.com]

Sent: Tuesday, August 01, 2017 3:54 PM

To: Adam Lewin <alewin@fenwick.com>; Karim Oussayef <KOussayef@desmaraisllp.com>; Moore, David E. (dmoore@potteranderson.com) <dmoore@potteranderson.com>; Palapura, Bindu A. (bpalapura@potteranderson.com)

 dpalapura@potteranderson.com>

Cc: Groupon_IBM_Service@Fenwick.com; IBM Groupon Service <IBMGrouponService@desmaraisllp.com>; 'Day, John G.' <JDay@ashbygeddes.com>; Mayo, Andrew C. <AMayo@ashbygeddes.com>; Phillip Haack <phaack@fenwick.com>; Saina Shamilov <sshamilov@fenwick.com>; David Hadden CDHadden@fenwick.com>

Subject: RE: IBM v. Groupon (Del.) - disclosure of Jim Malackowski

Adam,

Thank you for the information regarding Mr. Malackowski, Mr. Lettlere, and Ms. Nacker. However, Groupon's disclosures do not meet the requirements of paragraph 13(b) of the protective order for Mr. Malackowski and Mr. Lettlere. For Mr. Malackowski, Groupon has not provided a brief description of the subject matter of the cases that he has testified in for the previous four years and a brief description of all of his consulting work from the previous four years. For Mr. Lettlere, Groupon has not provided a brief description of the subject matter of the cases that he has testified in for the previous four years, a brief description of all of his consulting work from the previous four years, and a complete list of publications for the past ten years. Mr. Lettlere's CV only contains "selected papers and presentations."

Please supplement Groupon's disclosures for Mr. Malackowski and Mr. Lettiere to provide all of the information required by paragraph 13(b) of the protective order. Once Groupon has completed its disclosure obligations, IBM will inform Groupon if it has any objections to Mr. Malackowski or Mr. Lettiere within the seven business day period prescribed by the protective order.

Regards, Robert

From: Adam Lewin [mailto:alewin@fenwick.com]

Sent: Monday, July 31, 2017 5:03 PM

To: Robert Harrits; Karim Oussayef; Moore, David E. (dmoore@potteranderson.com); Palapura, Bindu A.

(bpalapura@potteranderson.com)

Cc: Groupon IBM Service@Fenwick.com; IBM Groupon Service; 'Day, John G.'; Mayo, Andrew C.; Phillip Haack; Saina

Shamilov; David Hadden

Subject: IBM v. Groupon (Del.) - disclosure of Jim Malackowski

Counsel,

Pursuant to Paragraph 13(b) of the protective order, Groupon discloses Jim Malackowski as an expert or consultant to whom Groupon intends to disclose protected material.

A copy of his CV, which lists consulting work and testimony over the last four years, and a signed copy of the protective order's undertaking, are attached. Out of caution, Groupon is also disclosing two of his associates, Rich Lettiere and Chelsea Nacker, who work at his direction. We have attached signed undertakings and CVs for them as well.

Please let us know if you agree to waive the waiting period for objections.

Best, Adam



ADAM LEWIN

Fenwick & West LLP Associate, Litigation Group

(415) 281-1350

□ alewin@fenwick.com

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EXHIBIT 4

Laurie Stempler

From: Robert Harrits

Sent: Monday, August 7, 2017 6:43 PM

To: Adam Lewin; Karim Oussayef; Moore, David E. (dmoore@potteranderson.com);

Palapura, Bindu A. (bpalapura@potteranderson.com)

Cc: Groupon_IBM_Service@Fenwick.com; IBM Groupon Service; 'Day, John G.'; Mayo,

Andrew C.; Phillip Haack; Saina Shamilov; David Hadden

Subject: RE: IBM v. Groupon (Del.) - disclosure of Jim Malackowski

Adam,

IBM objects to Jim Malackowski, Rich Lettiere, and Chelsea Nacker under Paragraph 13(c) of the Protective Order (D.I.

24)

Any disclosure of IBM Protected

Material to employees of Ocean Tomo would risk advertent or inadvertent use or disclosure of protected Discovery Materials that would be inconsistent with the provisions contained in the Protective Order and would prejudice IBM in

Regards, Robert

From: Adam Lewin [mailto:alewin@fenwick.com]

Sent: Thursday, August 3, 2017 9:42 PM

To: Robert Harrits; Karim Oussayef; Moore, David E. (dmoore@potteranderson.com); Palapura, Bindu A.

(bpalapura@potteranderson.com)

Cc: Groupon_IBM_Service@Fenwick.com; IBM Groupon Service; 'Day, John G.'; Mayo, Andrew C.; Phillip Haack; Saina

Shamilov: David Hadden

Subject: RE: IBM v. Groupon (Del.) - disclosure of Jim Malackowski

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Best,

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From: Robert Harrits [mailto:RHarrits@desmaraisllp.com]

Sent: Tuesday, August 01, 2017 3:54 PM

To: Adam Lewin <a lewin@fenwick.com>; Karim Oussayef < KOussayef@desmaraisllp.com>; Moore, David E. (dmoore@potteranderson.com) <dmoore@potteranderson.com) <dmoore@potteranderson.com>; Palapura, Bindu A. (bpalapura@potteranderson.com)

dpalapura@potteranderson.com>

Cc: Groupon_IBM_Service@Fenwick.com; IBM Groupon Service < IBM Groupon Service@desmaraislip.com >; 'Day, John G.' < IDay@ashbygeddes.com >; Mayo, Andrew C. < AMayo@ashbygeddes.com >; Phillip Haack < phaack@fenwick.com >;

Saina Shamilov <<u>sshamilov@fenwick.com</u>>; David Hadden@fenwick.com> Subject: RE: IBM v. Groupon (Del.) - disclosure of Jim Malackowski

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(bpalapura@potteranderson.com)

Cc: Groupon IBM Service@Fenwick.com; IBM Groupon Service; 'Day, John G.'; Mayo, Andrew C.; Phillip Haack; Saina

Shamilov; David Hadden

Subject: IBM v. Groupon (Del.) - disclosure of Jim Malackowski

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Please let us know if you agree to waive the waiting period for objections.

Best, Adam

TENWICK RWEST LIP

Fenwick & West LLP
Associate, Litigation Group

≅ (650) 335-7259

415) 281-1350

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